

PRIMERGY TX100 S1

System configurator and order-information guide

July 2010

Contents

Instructions

Configuration diagram

Configurator

0 System software

I Basic unit

II Processor

III Memory

IV Graphics

V Accessible drives

VI RAID Controller

VII Hard disk drives

VIII Communication/Network

IX Miscellaneous

X Country specific power cords

Change report



PRIMERGY Server

Instructions

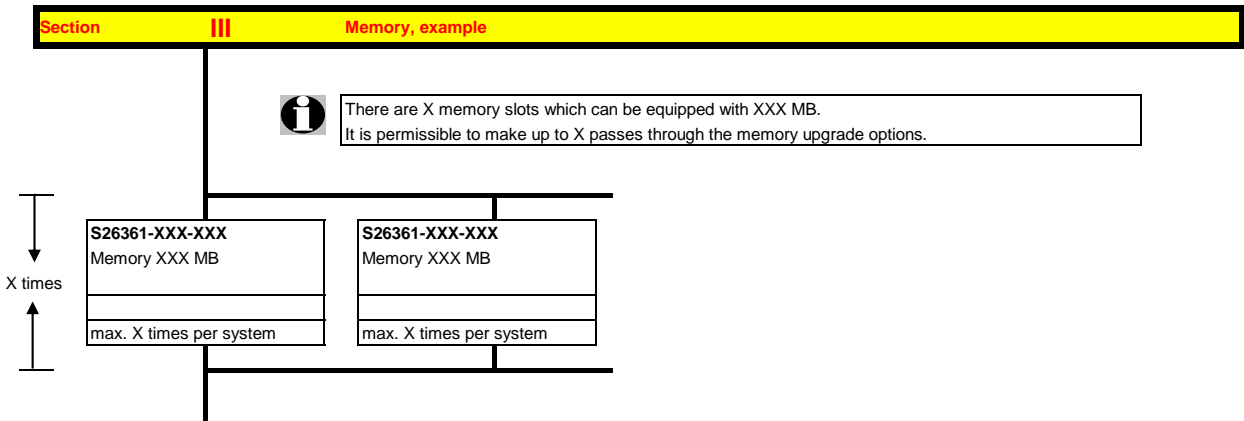
This document contains basic product and configuration information that will enable you to configure your system via PC-/ System-Architect.

Only these tools will ensure a fast and proper configuration of your PRIMERGY server or your complete PRIMERGY Rack system.

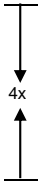
You can configure your individual PRIMERGY server in order to adjust your specific requirements.

The System configurator is divided into several chapters that are identical to the current price list and PC-/ System-Architect

Please follow the lines. If there is a junction, you can choose which way or component you would like to take. Go through the configurator by following the lines from the top to the bottom.



In one chapter you can only select as many components (here 4x) as the arrow indicates.



Please note that there are information symbols which indicate necessary information.



For further information see:

http://ts.fujitsu.com/products/standard_servers/index.html (internet)

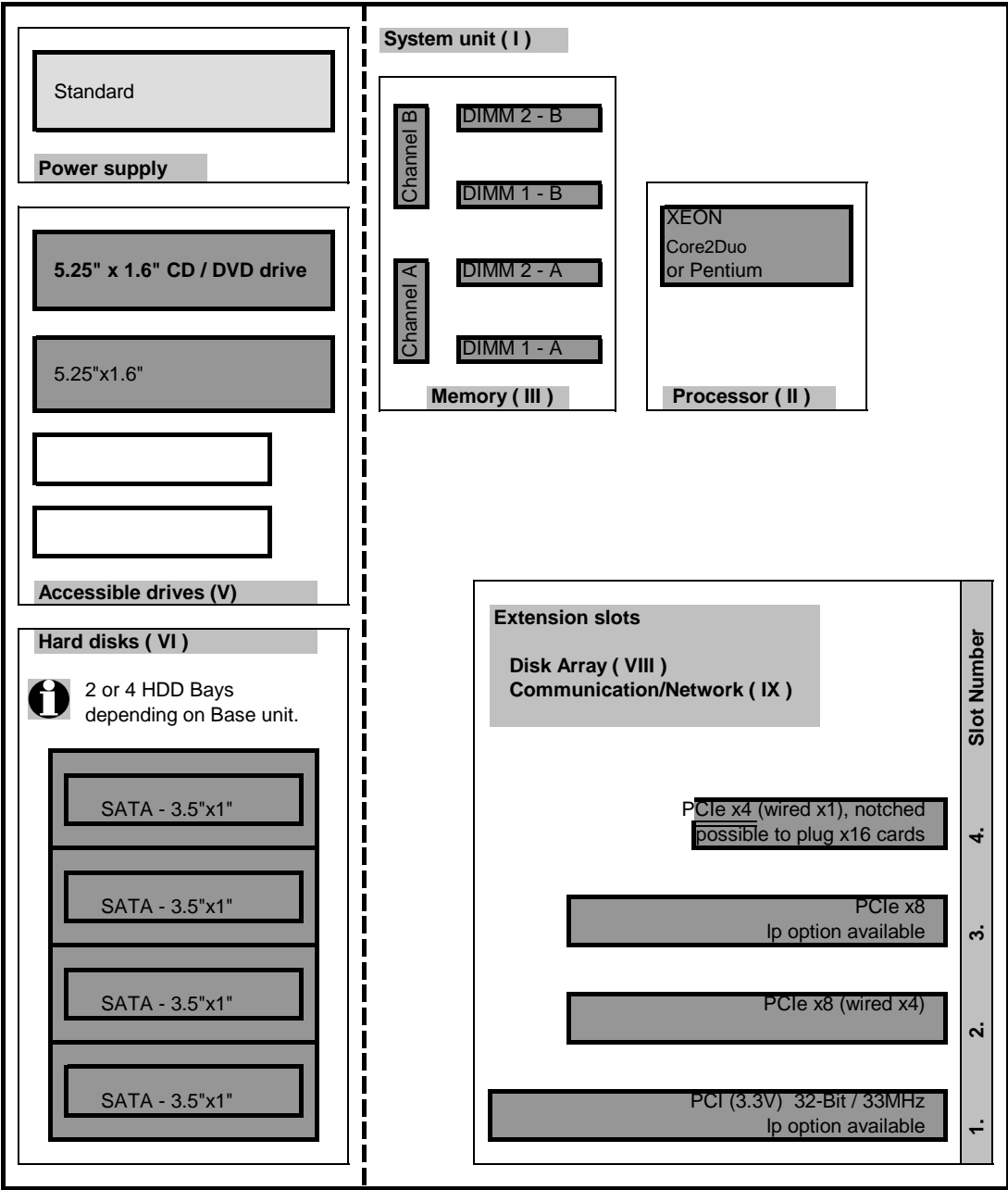
https://partners.ts.fujitsu.com/com/order-supply/configurators/primergy_config/current/Pages/default.aspx (extranet)

Prices and availability see price list and PC-/ System-Architect
 Subject to change and errors excepted

Configuration diagram PRIMERGY TX100 S1

FRONT VIEW

SIDE VIEW



Key:
 [Light Gray Box] Included in basic unit
 [Dark Gray Box] Option

Start PRIMERGY TX100 S1


Software Configurator 32 bit

with OEM-Software
for PRIMERGY Server

without OEM-Software
for PRIMERGY Server

VMware-Software
- VCMS VirtualCenter Management Server


OEM-SW is bound to HW and is not allowed to be ordered separately.
Exception: VMware SW

 For all SW products please refer to the corresponding software configurator accessible via the Extranet under Configuration & Tools, -All configurations, -Software, URL see below.

Linux - Software **)
 - Open Enterprise Server ***)
 - SuSE Linux ES (OEM): LO
 - SuSE Linux ES (Support): LS
 - Red Hat EL (OEM): LO
 - Red Hat EL (Support): LS

Microsoft - Windows Server 2008: W
 - Windows Web Server 2008
 - Windows Server 2008 Standard, Enterprise
 - User, Device Client Access Licenses (CAL)
 - Terminal Server Client Access Licenses (CAL)

Manageability Software: V)**

 Details eg. version numbers are published in the separate SW-Configurator

Backup-Software / Application-Software: U
 - ARCserve
 - openSM2

You'll find single software configurators and release lists (OS-matrix / system management / security) under following addresses:

**for internal users:
for partners:**

Continue with PRIMERGY HW configurator

Start PRIMERGY TX100 S1

Software Configurator 64 bit

with OEM-Software
for PRIMERGY Server

without OEM-Software
for PRIMERGY Server

VMware-Software
- VCMS VirtualCenter Management Server

OEM-SW is bound to HW and is not allowed to be ordered separately.

i For all SW products please refer to the corresponding software configurator accessible via the Extranet under "Configuration & Tools, -All configurations, -Software, URL see below.

Microsoft - Windows Server 2008: W
 - Windows Web Server 2008
 - Windows Server 2008 Standard, Enterprise
 - User, Device Client Access Licenses (CAL)
 - Terminal Server Client Access Licenses (CAL)

only x86_64 Linux - Software *) **)
 - SuSE Linux ES (OEM): LO
 - SuSE Linux ES (Support): LS
 - Red Hat EL (OEM): LO
 - Red Hat EL (Support): LS

Microsoft - Windows Small Business Server 2008: ROK
 - Windows Small Business Server 2008 Standard, Premium
 - User, Device Client Access Licenses (CAL)

i Details eg. version numbers are published in the separate SW-Configurator

i **) Pay attention to the release and ordering information in PRINCE -> Operating System

You'll find single software configurators and release lists (OS-matrix / system management / security) under following addresses:

for internal users:
for partners:

Continue with PRIMERGY
HW configurator

Start PRIMERGY TX100 S1

Section | **Basic unit**



System unit consisting of:
* Housing including standard power supply (no redundancy)
* Imprint of MAC Address on system label and delivery note as standard

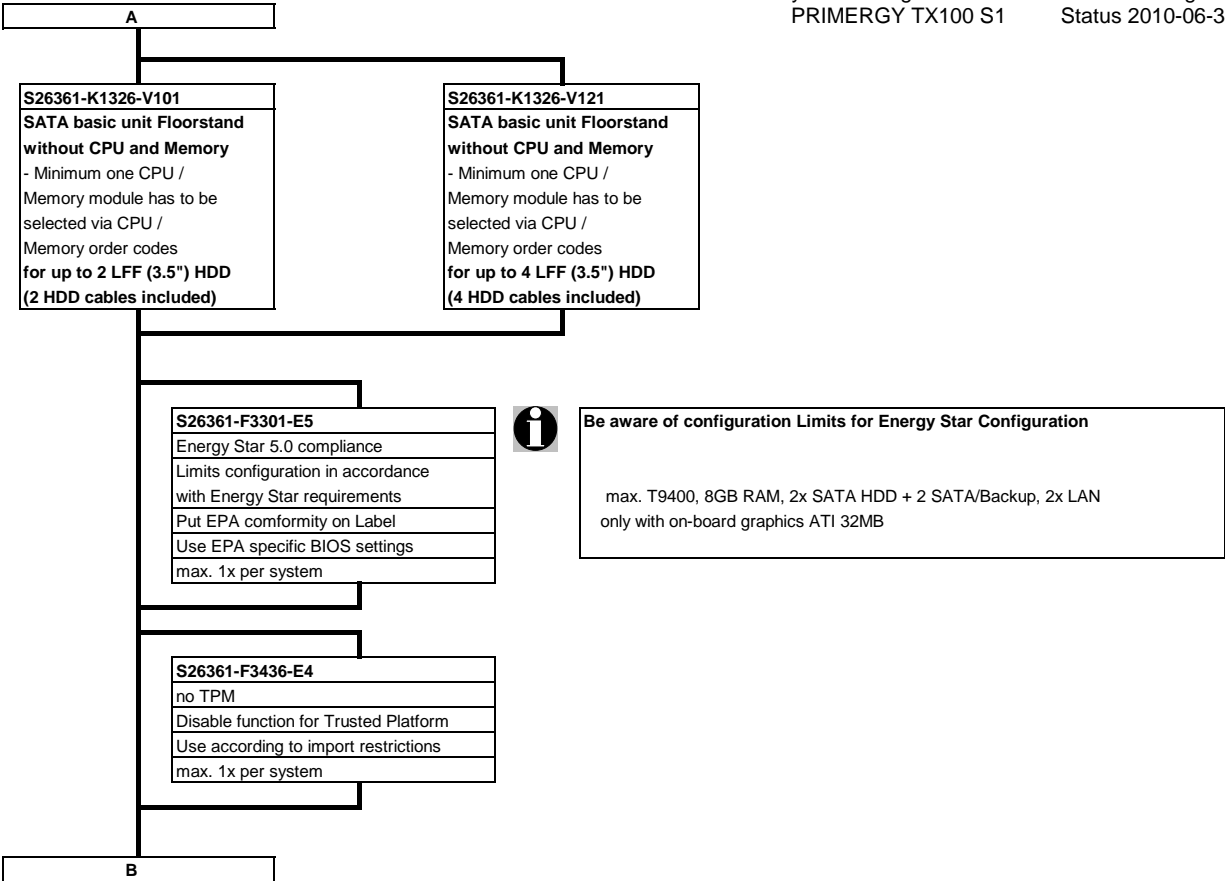
Systemboard with:
* 4 PCI expansion slots:
 1x PCIe x4 (wired x1), notched (possible to plug x16 cards)
 1x PCIe x8; fits for lp and fh formfactor cards
 1x PCIe x8 (wired x4)
 1x long 32Bit / 33MHz (3.3V); fits for lp and fh formfactor cards
* 4 memory slots for up to 8GB (PC2 6400) registered DDR II RAM (ECC), max. 2GB modul per slot
* 2 bays 5.25" for accessible drives
* 2 or 4 LFF (3.5") bays 1" high for no hot plug SATA HD (depending on base unit)
* SATA with up to 4 HDD's over ICH-9R (Chipset)
* ATI ES1000 32MB
* Intel 10/100/1000 Mb/s (82566DM) on-board LAN

Cables included in Base Unit:
1. SATA cabel for CD/DVD
2. 2 or 4 x SATA cabel in basic unit (depending on base unit)

PS/2 mouse
ServerView Suite Software package incl. ServerStart, ServerBooks, Management Software and Updates

External Interfaces:
1x RS-232-C (serial, 9 pins)
1x Centronics (parallel, 25 pins, EPP/ECP compatible) optional
1x keyboard (PS/2)
1x mouse (PS/2)
1x VGA (15 pins)
10x USB 2.0 (2x frontside, 6x on rearside, 2x released internal USB Interfaces for backup devices)
1x LAN RJ45

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Section II Processor

One of following CPU's has to be selected for an orderable basic unit


Dual-Core CPU's	
- 1x 64-bit Intel Core2 Duo Exx00 (2/3MB SLC) or Xeon UP (4/6MB SLC) and heat pipe occupies socket for one CPU	
Pentium DC E5200 2.50GHz 2MB 800MHz FSB (65W)	S26361-F3582-E520
Pentium DC E5400 2.70GHz 2MB 800MHz FSB (65W)	S26361-F3582-E540
Pentium DC E6300 2.80GHz 2MB 1066MHz FSB (65W)	S26361-F3582-E630
Pentium DC E6500 2.93GHz 2MB 1066MHz FSB (65W)	S26361-F3582-E650
Core2 Duo E7400 2.80GHz 3MB 1066MHz FSB (65W)	S26361-F3582-E740
Core2 Duo E7600 3.06GHz 3MB 1066MHz FSB (65W)	S26361-F3582-E760
Xeon UP E3110 3.00GHz 6MB 1333MHz FSB (65W)	S26361-F3503-E210
Xeon UP E3120 3.16GHz 6MB 1333MHz FSB (65W)	S26361-F3503-E220
Quad-Core CPU's	
- 1x 64-bit Intel Xeon UP (6/8MB SLC = Second Level Cache on Chip) and heat pipe occupies socket for one CPU	
Xeon UP X3220 2.40GHz 2x4MB 1066MHz FSB (95W)	S26361-F3504-E220
Xeon UP X3330 2.66GHz 6MB 1333MHz FSB (95W)	S26361-F3504-E330

Section III Memory


 There are 2 memory banks with 2 DIMM slots each.
Single channel memory configuration allow maximum flexibility:
 Additional memory can be configured as single memory modules.
Dual channel memory configurations for maximum performance:
 For optimum performance memory has to be configured in pairs of memory modules with identical size.

S26361-F3372-E413 Main memory 1GB ECC DDR2 800/PC2-6400 unbuffered consisting of one module max. 4x per system	S26361-F3372-E414 Main memory 2GB ECC DDR2 800/PC2-6400 unbuffered consisting of one module max. 4x per system
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Section IV Graphics

 **ATI ES1000 (32MB) on board**

S26361-F2748-E533 PY VGA Card 256MB PCI-e x1 NVIDIA Quadro NVS 290 256 MB PCI-e-x1 2x DVI or 2x VGA or 1x DVI plus 1x VGA cables adapters included Dual head + fully 3-D supported for Windows OS not supported for Linux OS (native) full height bracket max. 1x per system
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 The high end optional NVIDIA NVS290 graphic card offers dual head operation and fully 3D video support.
 The cables for either two times DVI or VGA connections are part of the delivery.
 This PCIe-x1 card can also be installed in any PCIe-x4, x8 or x16 slot.
 Only one card per server is allowed.

PY VGA card must be installed in slot 4

S26361-F2748-L533 PY VGA card 256MB PCI-e x1 for loose delivery
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Section V Accessible drives



There are 2 drive bays (2x 5,25") for accessible drives.
 While stock lasts a FDD may be used in Projects only.

Following USB Components are available	
1) USB DVD+-RW: Super Multi DVD slim drive	S26391-F7119-L100 (USB cable included)
2) FDD USB (external): external USB FDD	S26391-F264-L226 (USB cable included)
3) USB Keyboard: KBPC PX D, professional keyboard	S26381-K340-V120
4) USB Mouse: Optical Wheel Mouse Tilt USB/PS2	S26381-K415-L100
5) USB Memorybird: MyUSB P910 8GB	S26391-F6047-L208

S26361-F3266-E2 DVD-ROM 16/48x
SATA
incl. description (Ger/US)
1.6 x 5.25", black bezel
max. 1x per system

S26361-F3267-E2 DVD-RW 16x super multi drive
all formats, DUAL/DL, DVD-RAM
SATA
only W2K, W3K and Linux
1.6 x 5.25", black bezel
max. 1x per system

S26361-F3530-E2 Blu-ray Combo SATA
6x BD-ROM, 16x DVD, 40x CD
BD DL and all CD/DVD formats
1.6 x 5.25", black bezel
max. 1x per system

S26361-F3324-E4 Tape drive DDS Gen5 USB 5.25"
36GB, 3MB/s, USB 2.0
Connector: USB "B"
with USB cable kit
incl. description (Ger/US)
data and cleaning cartridge
1.6 x 5.25", black bezel
max. 1x per system

S26361-F3325-E4 Tape drive DDS Gen6 USB 5.25"
80GB, 3MB/s, USB 2.0
Connector: USB "B"
with USB cable kit
incl. description (Ger/US)
data and cleaning cartridge
1.6 x 5.25", black bezel
max. 1x per system

S26361-F3857-E4 RDX drive USB 5.25" internal
80-160GB, 25MB/s, USB 2.0
Connector: USB "B"
with USB cable
incl. description (Ger/US)
without RDX cartridges
1.6 x 5.25", black bezel
max. 1x per system




RDX cartridges must be ordered separately
 RDX 80GB = S26361-F3857-L80
 RDX 160GB = S26361-F3857-L160
 RDX 320GB = S26361-F3857-L320

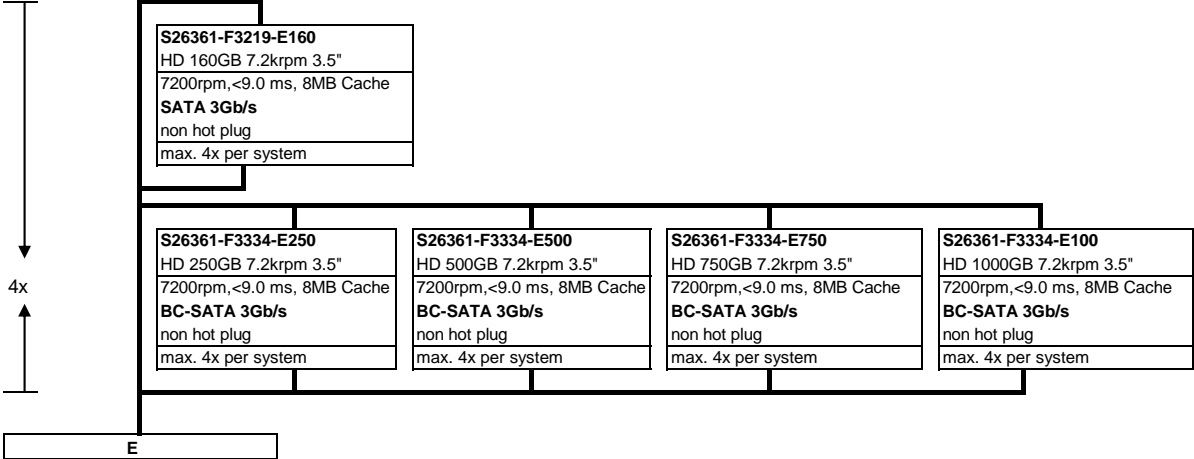
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Section VI RAID-Controller

Section VII Hard disk drives

 There is a 6 port SATA controller in the Base Unit.
 Up to 4 SATA LFF (3.5") hard disks can be configured.



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Section VIII Communication / Network

2x

S26361-F3241-E1 (Glyndon) Gigabit Ethernet Contr. 1000TX Eth Ctrl 1x1Gbit PCIe Pro/1000PT Cu Intel PRO/1000 PT Server Adaptor PCIe x1 ext: for RJ45-connector, Cat 5 max. 2x per system

S26361-F3228-E1 (Redwater) Gigabit Ethernet Controller Dual 1000TX Eth Ctrl 2x1Gbit PCIe PRO/1000PT Cu Intel Pro/1000PT dual port Server Adapter PCIe x4 ext: for RJ45-plug, Cat 5 max. 1x per system

S26361-F3516-E1 (Shelter Island) Gigabit Ethernet Controller 1000TX Eth Ctrl 1x1Gbit PCIe Gigabit CT DT Cu Intel® Gigabit CT Desktop Adapter PCIe x1 ext: for RJ45-connector, Cat 5 max. 2x per system
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Section IX Miscellaneous

S26361-F2742-E30
Paralell Interface option
 occupies one card slot
 max. 1x per system

S26361-F2542-E323
Key lock in side door option
 black
 max. 1x per system

Section X Country specific power cords

Power cord for floorstand versions for following countries:
 1,8 m, grey

T26139-Y1740-E10	D, A, B, F, NL, FIN, N, S, E, P, RUS, TR
T26139-Y1742-E10	USA, Canada
T26139-Y1743-E10	Switzerland
T26139-Y1744-E10	UK, IR
T26139-Y1745-E10	Italy
T26139-Y1746-E10	Denmark
T26139-Y3850-E10	Option "no powercord", for Countries without specific cable orderable like e.g. China

USB-Keyboards for following countries:

KBPC PX, prof. keyboard		KBPC SX, standard keyboard	KB400,
S26381-K340-E110	USA / international	S26381-K397-E110	S26381-K550-E102
S26381-K340-E120	Germany	S26381-K397-E120	S26381-K550-E120
S26381-K340-E140	France	S26381-K397-E140	S26381-K550-E140
S26381-K340-E155	Sweden / Finland	S26381-K397-E155	S26381-K550-E154
S26381-K340-E165	United Kingdom	S26381-K397-E165	S26381-K550-E165
S26381-K340-E180	Spain	S26381-K397-E180	S26381-K550-E180
S26381-K340-E185	Italy	S26381-K397-E185	S26381-K550-E185
	Czech/Slovak		S26381-K550-E104
	Switzerland		S26381-K550-E170
	Thai		S26381-K550-E177



Options and other peripherals
 For other options, refer to SystemArchitect and Pricelist.
 These options are supplied lose with the shipment.
 For suitable peripherals for this product, please refer to SystemArcitect.

End PRIMERGY TX100 S1

